

# REPORT ON THE ACADEMIC AUDIT (Academic Year August, 2022 - July, 2023)

## 1. Department of Mechanical Engineering

### 2. VISION OF THE DEPARTMENT

To nurture Mechanical Engineers with a passion for professional excellence, who are ready to take on global challenges and serve the society with high human values.

### 3. MISSION OF THE DEPARTMENT

**M1:** To provide facilities and infrastructure for academic excellence in the field of Mechanical Engineering.

**M2:** To inculcate in the students a passion for understanding professionalism, ethics, safety, and sustainability, and enable them to contribute to the society.

**M3:** To nurture creativity of the students and encourage them to come up with innovative solutions to real life problems.

**M4:** To prepare the student for lifelong learning with global perspective.

### 4. Intake capacity (Program wise):

Name of Program	Intake capacity
B.Tech. [Mechanical Engineering]	117
M.Tech. [MSD]	25
M.Tech. [ITMM]	26
M.Tech. [Thermal]	20
Ph.D. [Mechanical Engineering]	30

### 5. Students Enrollment (Program wise):

Program	Home State	From Other States of India	Total
B.Tech. [Mechanical Engineering]	61	61	112
M.Tech. [MSD]	14	00	14
M.Tech. [ITMM]	04	00	04
M.Tech. [Thermal]	09	00	09
Ph.D. [Mechanical Engineering]	20	06	26

6. No. of students graduating (Program wise):

<b>Program</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
B.Tech. [Mechanical Engineering]	08	72	80
M.Tech. [MSD]	00	12	12
M.Tech. [ITMM]	00	01	01
Ph.D. [Mechanical Engineering]	01	13	14

7. Number of classrooms and seminar halls with ICT facilities: **03**

8. Total number of computers available for students: **100**

9. No. of Research Scholars who have obtained Master's degree from other universities: **06**

10. No. of Research Scholars receiving fellowships viz., NET-JRF, NFST, Project Fellows, UGC-MZU Fellows, any other: **26**

11. Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ Civil services/State government examinations): **02**

12. Number of outgoing students placed during the year: **55**

13. No. of awards received by students (Other than Sl. No. 10): **Nil**

14. Students Progression to Higher Studies (Numbers only): **04**

15. Syllabus revision (Major/Minor)

16. Faculty strength and specialization.

Sr. No.	Name	Designation	Qualifications	Specialization	No. of Students	
					M.Tech	Ph D

17. Research Publications in the Journals

Title of paper	Name of author(s)	Name of Journal	Year of Publication with Volume and Page numbers	SCI/Scopus

18. Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher

19. Teacher : Student Ratio :

20. Teacher : Research Scholar Ratio :

21. Success Rate of Students (Program wise):

Name of Program	Success Rate

22. Revenue generated from Consultancy by the Department (if any) during the year:

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

23. Research funds sanctioned and received from various agencies, industry and other organisations:

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided (Rs.)	Dr. c p

24. Student Mentoring

(mentor-wise list with mentee):

Name of Mentor	No. of Mentees

25. Number of Patents filed/published/awarded:

26. Details of seminar/symposia/conference/refresher course/training programmes/Webinars organized during the year:

Sl. No	Name of Convener/Coordinator	Title of seminar/course	Sponsoring Agency	Duration with dates	No. of internal and external participants	Proceedings published Yes/No

27.

(a) No of foreign collaborations either in the form of publications/research:

(b) No of collaborations with other national institutions:

28. Details of distinguished alumni of the Department

Name of Student	Email	Present employer	Employer address	Pay package at appointment

29. No. of Functional MoUs:

30. SWOC Analysis

**A. Strength:**

- (i)
- (ii)
- (iii)

**B. Weaknesses:**

- (i)
- (ii)
- (iii)

**C. Opportunities:**

- (i)
- (ii)
- (iii)

**D. Challenges:**

- (i)
- (ii)
- (iii)

31. Any other information, which is not covered above:

32. Suggested Road map keeping students' interest in the core and to ensure better visibility:

**Observations of the Academic Audit Team:**